

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-016430**Date Inspected:** 21-Aug-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Wu shi gao / Xu tao**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

BAY#19

FCAW welding of weld joint 4F-023 located on PCMK BK004A8-008 the welder is identified as 058792. ZPMC QC is identified as Mr. Li ming yang. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2134.

FCAW welding of weld joint 2F-057 located on PCMK BK004A3-010 the welder is identified as 208632. ZPMC QC is identified as Mr.Li ming yang. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2132.

FCAW welding of weld joint 2F-056 located on PCMK BK004A4-010 the welder is identified as 260562. ZPMC QC is identified as Mr.Li ming yang. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2132.

This QA inspector performed MT 15% of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as OBG Suspender bracket. The weld designations reviewed as follows.

SB92W

SB018-092-057,058,060,045,048,023,033,036,002,003.

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

SB90E

SB020-090-051,052,057,059,060,063,065,069,028,030,040,041,045,047,022,023,034,035,002,003.

### OUTSIDE SHOP

11DE

SMAW welding of weld joint 2F-096 located on PCMK SP558-001 of the Segment 11DE welder is identified as 058102. ZPMC QC is identified as Mr.Wu shi gao. The welding variables recorded by QC appeared to Comply with the WPS-B-P-2112-FCM-1.

BAY#14

SMAW welding of weld joint 4F-003 located on PCMK OBW12 the welder is identified as 067572. ZPMC QC is identified as Mr.Wang wei ming. The welding variables recorded by QC appeared to Comply with the WPS-B-P-2114-FCM-1.

FCAW welding of weld joint 1G-001 located on PCMK SEG3007AE of Segment 13AE the welder is identified as 044790. ZPMC QC is identified as Mr.Guo xing hui. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2231-Tc-U4b-F.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant Conversation.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang-15--0042-2372, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
----------------------	--------------	-----------------------------

---

<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer
---------------------	-------------------	-------------